

**United States Department of Agriculture
Animal and Plant Health Inspection Service
Center for Veterinary Biologics
P. O. Box 844
Ames, IA 50010**

- 1. Reagent Name:** *Clostridium chauvoei* Flagella-specific Rabbit Polyclonal Antibody (detection antibody)
- 2. Strain or Source:** Not applicable
- 3. Lot Number:** IRP 440
- 4. Fill Date:** March 1998
- 5. Expiration Date:** No expiration date has been assigned to this product because polyclonal rabbit serum has demonstrated over time to be very stable if properly stored. This reagent will be routinely monitored by the Center for Veterinary Biologics.

Precautions: There are no known hazards associated with the use of this reagent.

- 6. Intended Use:** IRP 440 is for use in a capture enzyme-linked immunosorbent assay (ELISA) as described in the **BBPRO0220** for potency testing of *C. chauvoei* bacterins.
- 7. Instructions for Use:** The detection antibody is provided undiluted in 20 µL amounts. For use in the ELISA, IRP 440 should be diluted approximately 1:20,000 in blocking solution/reagent diluent. For detailed instructions see **BBPRO0220**.
- 8. Test of Reagent:** Checkerboard ELISA tests were conducted to determine the optimum dilution of reagent. The specificity of the detection antibody was demonstrated by ELISA using purified *C. chauvoei* flagella and whole cell antigens of *Clostridium septicum*, *Clostridium perfringens*, and other clostridial species.
- 9. Container Size, Type, Weight, or Volume:** 20 µL aliquots in plastic vials.
- 10. Storage Conditions:** Store at -20°C or lower. Once the detection antibody has been thawed, store at 2°- 7°C.
- 11. CVB Technical Contact:** Bacteriology Section, Center for Veterinary Biologics, (515) 337-6140 or FAX (515) 337-7673.
- 12. Origin and Passage History:** Not applicable.

13. Method of Preparation: Polyclonal rabbit antiserum (detection antibody) was collected from rabbits hyper-immunized with purified *C. chauvoei* flagella. The detection antibody was absorbed with *Clostridium septicum* spores, centrifuged, filtered, and frozen at -70°C or lower.

14. Other: None

Reagent orders and feedback should be sent *including phone number* to the following email address: CVB@aphis.usda.gov

Reagent orders forms (APHIS 2018) are available from:
http://www.aphis.usda.gov/animalhealth/cvb_forms

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